

Title (en)
AUTOMATIC BLOCKING SYSTEM FOR RETRACTABLE SCREENS

Title (de)
AUTOMATISCHES BLOCKIERSYSTEM FÜR EINZIEHBARE BILDSCHIRME

Title (fr)
SYSTÈME DE BLOCAGE AUTOMATIQUE POUR ÉCRANS RÉTRACTABLES

Publication
EP 3670822 A1 20200624 (EN)

Application
EP 19216443 A 20191216

Priority
IT 201800011186 A 20181217

Abstract (en)
A locking device (100) for blocking a retractable screen (600) comprises:- a fixed portion (102), and a movable portion (103) connected to a pin (101), the movable portion being movable with respect to the fixed portion,- an engaging mechanism for providing engagement between the fixed portion (102) and the movable portion (103), the engaging mechanism allowing a first configuration of the movable portion relative to the fixed portion wherein the pin (101) is extended for blocking the screen (600), and a second configuration of the movable portion relative to the fixed portion wherein pin (101) is retracted for unblocking the screen (600),- a cycling mechanism including a force member configured to provide a force between the movable portion (103) and the fixed portion (102) in a predetermined direction, the cycling mechanism adapted to provide a transition of the movable portion from the first configuration to the second configuration by moving the movable portion with respect to the fixed portion in a direction against the force and then releasing it, and from the second configuration to the first configuration by moving the movable portion in the same direction and releasing it.

IPC 8 full level
E06B 9/80 (2006.01); **E06B 9/17** (2006.01); **E06B 9/86** (2006.01)

CPC (source: EP)
E06B 9/80 (2013.01); **E06B 9/86** (2013.01); **E06B 9/17046** (2013.01); **E06B 2009/801** (2013.01); **E06B 2009/805** (2013.01)

Citation (applicant)
US 3205863 A 19650914 - KENT RHOADES NOLAN

Citation (search report)

- [XAI] WO 2014154555 A1 20141002 - MARCHESI DAVIDE [IT]
- [X] EP 3246507 A1 20171122 - ZURFLUH FELLER [FR]
- [A] WO 2016131085 A1 20160825 - ROLLELEASE ACMEDA PTY LTD [AU]

Cited by
WO2023118444A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3670822 A1 20200624; **EP 3670822 B1 20230607**; **EP 3670822 C0 20230607**; IT 201800011186 A1 20200617

DOCDB simple family (application)
EP 19216443 A 20191216; IT 201800011186 A 20181217